AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-3 (Canceled)

Claim 4 (Currently amended): An information-processing device for a communication source that performs tunnel communication with a communication destination device, comprising:

a tunnel communication part including a network interface for communicating with a server via a communication line of a communication network, wherein the tunnel communication part performs for performing the tunnel communication over the communication network with encapsulated communication target data;

a judgment part for determining whether the information-processing device is a caller or a callee in the tunnel communication and transmitting a signal indicative of a determination by the judgment part whether the information-processing device is the caller or the callee; and

an address determination part including a computer-readable

memory storing a relationship between a caller address to be
included in the encapsulated communication target data when the
information-processing device is the caller and a callee address
to be included in the encapsulated communication target data
when the information-processing device is the callee, wherein
the address determination part determines ~~for determining an~~ the
caller address for the information-processing device when the
information-processing device is the caller and the callee
address for the information-processing device when the
information-processing device is the callee to be included in
~~used for~~ the communication target data according to the
relationship based at least in part on the determination by the
judgment part.

Claim 5 (Currently amended): The information-processing
device as claimed in claim 4, wherein the relationship includes
a plurality of predetermined addresses associated with the
caller and a plurality of additional predetermined addresses
associated with the callee and the address determination part
determines at least one of the caller address and the callee
address from among the plurality of the predetermined addresses
and the plurality of additional predetermined addresses to be
included in ~~the address used for~~ the communication target data
~~by selecting from a plurality of predetermined addresses~~.

Claims 6-7 (Canceled)

Claim 8   (Currently amended):   The information-processing device for a communication source that performs tunnel communication with a communication destination device as claimed in claim 4, further comprising:

a tunnel communication identifier acceptor for accepting a tunnel communication identifier for identifying the tunnel communication; wherein

the address determination part determines [[an]] at least one of the caller address and the callee address used for the communication target data, according to the determination by the judgment part and the tunnel communication identifier.

Claim 9   (Currently amended):   The information-processing device as claimed in claim 8, wherein the address determination part determines a part of the at least one of the caller address and the callee address used for the communication target data according to the tunnel communication identifier, and determines another part of the at least one of the caller address and the callee address used for the communication target data according to the determination by the judgment part.

Claim 10   (Currently amended):   The information-processing device as claimed in claim 8, wherein the address determination part determines at least a part of the <u>at least one of the caller</u> address <u>and the callee address</u> used for the communication target data by selecting from a plurality of predetermined addresses.

Claim 11   (Previously presented): The information-processing device as claimed in claim 8, wherein the tunnel communication part performs two or more tunnel communications with two or more destination communication devices, further comprising:

a detection part for detecting whether two or more addresses used for the communication target data are the same in the two or more tunnel communications; and

an address changing part for changing at least one of the addresses used for the communication target data if the detection part detects that two or more addresses are the same.

Claim 12   (Currently amended):   The information-processing device as claimed in claim 8, further comprising:

an address change information receiver for receiving address change information including information related to an address change; and

an address changing part for changing at least one of the
caller address and the callee address used for the communication
target data, according to the address change information.

Claim 13   (Currently amended):   The information-
processing device as claimed in claim 8, wherein the tunnel
communication part performs two or more tunnel communications
with two or more devices for a communication destination or
destinations, further comprising:

a detection part for detecting whether two or more
addresses that are ~~used for~~ included in the communication target
data are the same in the two or more tunnel communications;

an address agreement information transmitter for
transmitting address agreement information showing that the two
or more addresses are the same if the detection part detects
that two or more addresses are the same;

an address change information receiver for receiving
address change information including information related to an
address change; and

an address changing part for changing at least one of the
two or more addresses included in ~~used for~~ the communication
target data according to the address change information.

Claim 14 (Currently amended): The information-processing device as claimed in claim 8, further comprising an address output part for outputting the at least one of the caller address and the callee address determined by the address determination part.

Claim 15 (Currently amended): The information-processing device as claimed in claim 14, wherein the address output part transmits the at least one of the caller address and the callee address determined by the address determination part.

Claim 16 (Previously presented): A communication system comprising:

an information-processing device as claimed in claim 8;

the communication destination device; and

a server that performs a process for establishing tunnel communication performed between the information-processing device and the communication destination device.

Claims 17-19 (Canceled)

Claim 20 (Currently amended): A server comprising:

a network interface for communicating with a plurality of information-processing devices over a communication network;

a judgment part for determining, for a tunnel communication between a first information-processing device and a second information-processing device, which of the first information-processing device and the second information-processing device is a caller and which is a ~~caller or~~ callee;

an address determination part including a computer-readable memory storing a relationship between a caller address to be assigned to the caller and a callee address to be assigned to the callee~~for determining a first address of the first information-processing device and a second address of the second information-processing device~~, wherein both the caller address and the callee address ~~addresses~~ are ~~used for~~ to be included in encapsulated communication target data in the tunnel communication performed between the first information-processing device and the second information-processing device according to [[the]] a determination by the judgment part; and

an address output part operatively coupled to receive the caller address and callee address from the address determination part, wherein the address output part outputs ~~for outputting~~ the caller ~~first~~ address and the callee ~~second~~ address determined by the address determination part.

Claim 21   (Currently amended):   A server as claimed in claim 20, wherein the address determination part determines the

caller ~~first~~ address and the callee ~~second~~ address by selecting

from a plurality of predetermined addresses.

Claims 22-23 (Canceled)

Claim 24 (Currently amended): The server as claimed in

claim 20 further comprising:

a tunnel communication identifier acceptor for accepting a

tunnel communication identifier for identifying the tunnel

communication performed between the first information-processing

device and the second information-processing device; wherein

the address determination part determines the caller ~~a~~

~~first~~ address of the caller~~first information-processing device~~

and the callee ~~a second~~ address of the callee ~~second~~

~~information-processing device~~, both addresses used for

encapsulated communication target data in the tunnel

communication performed between the first information-processing

device and the second information-processing device according to

the determination by the judgment part and according to a tunnel

communication identifier accepted by the tunnel communication

identifier acceptor.

Claim 25 (Currently amended): The server as claimed in

claim 24, wherein the address determination part determines a

part of at least one of the caller address and the callee

address an address used for the communication target data

according to the tunnel communication identifier, and determines

another part of the at least one of the caller address and the

callee address used for the communication target data according

to a determination by the judgment part.

Claim 26   (Currently amended):   The server as claimed in

claim 24, wherein the address determination part selects at

least one of the caller address and the callee address

determines at least a part of the address used for the

communication target data by selecting from a plurality of

predetermined addresses stored on the computer-readable medium.

Claim 27   (Currently amended):   The server as claimed in

claim 20, wherein the address output part transmits both the

caller first address and the callee second address to each of

the first information-processing device and the second

information-processing device.

Claim 28   (Currently amended):   A communication system

comprising:

        a server as claimed in claim 20;

        a first information-processing device that performs tunnel

communication using the caller ~~first~~ address for the

communication target data; and

a second information-processing device that performs tunnel

communication with the first information-processing device using

the callee ~~second~~ address for the communication target data.

Claims 29-31 (Canceled)

Claim 32 (Currently amended): A method of facilitating

a tunnel communication between a first information-processing

device and a second information-processing device in

communication with each other over a plurality of different

types of communication networks~~determining an address~~, the

method comprising:

defining a relationship between at least one of a caller

address to be used for a caller in the tunnel communication and

a callee address to be used for a callee in the tunnel

communication;

~~A judging step of~~ determining which of the [[a]]first

information-processing device and the [[a]]second information-

processing device performing tunnel communication is the [[a

]]caller and which is the [[or a]]callee;[[and]]

~~a step of determining~~selecting, using said relationship and

a result of said determining, at least one of the caller address

and the callee [[an]]address to be included in ~~used for~~

encapsulated communication target data to be transmitted during

[[in]]the tunnel communication performed between the first

information-processing device and the second information-

processing device ~~according to the determination by the judging~~

~~step~~;

encapsulating the at least one of the caller address and

the callee address with another network address into the

encapsulated communication target data, wherein the at least one

of the caller address and the callee address and the another

network address correspond to the plurality of different types

of communication networks; and

transmitting the encapsulated communication target data

over the plurality of different types of communication networks

to at least one of the caller address and the callee address

included in the encapsulated communication target data.

Claims 33-35 (Canceled)

Claim 36   (Currently amended):   The method of

determining an address as claimed in claim 32,

wherein~~comprising:~~ the at least one of the caller address and

the callee address is selected to be included in the

encapsulated communication target data as a function of a tunnel

communication identifier in combination with said relationship

and the result of said determining~~a step of determining an~~

~~address used for encapsulated communication target data in the~~

~~tunnel communication performed between the first information-~~

~~processing device and the second information-processing device~~

~~according to a determination by the judging step, and according~~

~~to a tunnel communication identifier for identifying tunnel~~

~~communication performed between the first information-processing~~

~~device and the second information-processing device~~.

Claim 37   (Currently amended):   The method of

determining an address as claimed in claim 36, further

comprising ~~a step of~~ accepting the tunnel communication

identifier from a portable computer-readable medium , wherein

the step of determining an address determines the address using

the tunnel communication identifier accepted in the step of

accepting a tunnel communication identifier.

Claim 38-53 (Canceled)

Claim 54 (New):   The information-processing device of

claim 4, wherein the relationship includes a function that

determines at least one of the caller address and the callee

address as a function of a variable established by the signal

from the judgment part.

Claim 55 (New):   The method of claim 32, wherein the relationship comprises a lookup table including at least one caller address corresponding to the caller and at least one callee address corresponding to the callee.

Claim 56 (New):   The method of claim 55, wherein the lookup table comprises a plurality of different caller addresses available to be selected for the caller and a plurality of different callee addresses available to be selected for the callee.

Claim 57 (New):   The method of claim 32, wherein the relationship comprises a function including a variable that is given a value in response to said determining which of the first information-processing device and the second information-processing device performing tunnel communication is the caller and which is the callee, and wherein the function returns the caller address or the callee address based on the value of the variable.